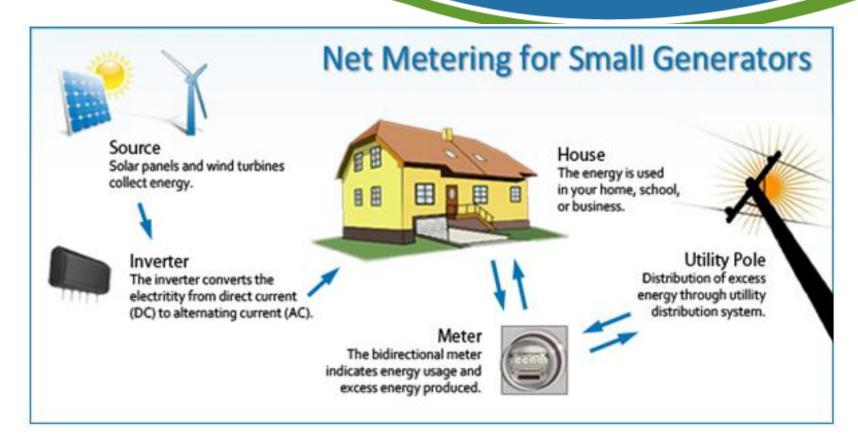
## Net Metering in Michigan

June 23, 2012 Michigan Energy Fair



### Net Metering





## Net Metering

Billed for Net Usage

ELECTRICITY FROM GRID

(ELECTRICITY SENT TO GRID)

NET USAGE

 Per law signed in October 2008, State government has established a statewide program



#### The Past The Current

Voluntary

Mandated by law

Low Interest

Awareness

Complicated

Net Metering on bill

Inconsistent

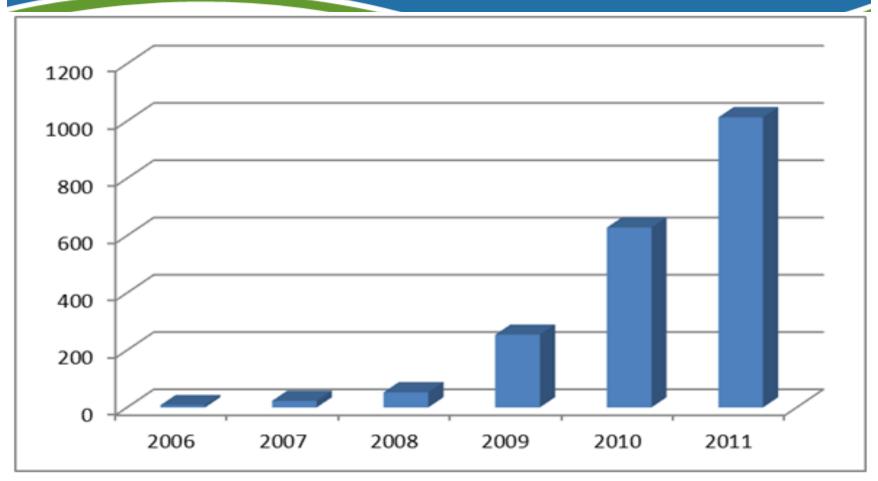
Standardized



Company	Category 1 Participation (No. of Customers)	Category 1 Nameplate Generation (kW)	Category 2 Participation (No. of Customers)	Category 2 Nameplate Generation (kW)
Alger Delta	13	39		
Alpena	19	54		
Cherryland	23	64		
Cloverland	28	87		
Consumers Energy	153	652		
Detroit Edison	585	4,483	4	128
Direct Energy	1	XX		
Great Lakes Energy	42	173		
Homeworks Tri-County	8	29		
Indiana Michigan (AEP)	24	96		
Midwest	16	55		
Ontonagon	14	49		
Presque Isle	19	51		
Thumb	5	11		
Uppco	38	118		
We Energies	16	56		
WPSC	6	16		
Xcel	0	0		
Total	1,009	6,033	4	128
Source: 2011 Net Metering Reports	Case U-15787			

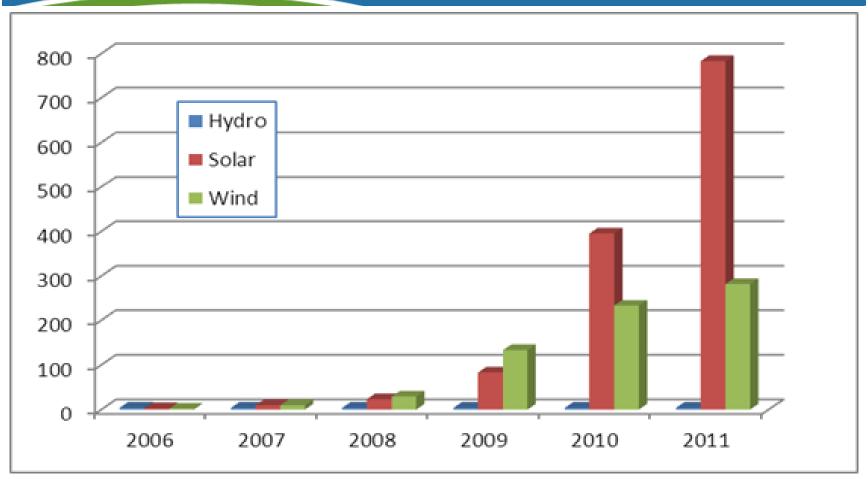


#### Number of Customers



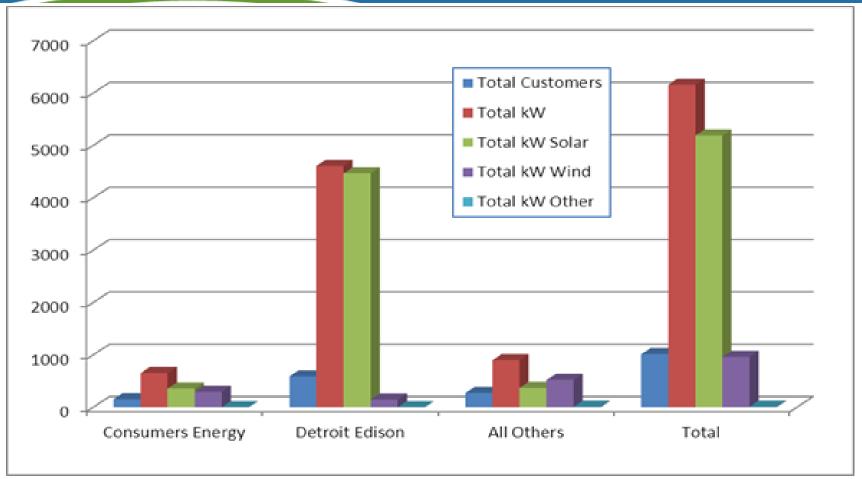


#### Installations by Technology



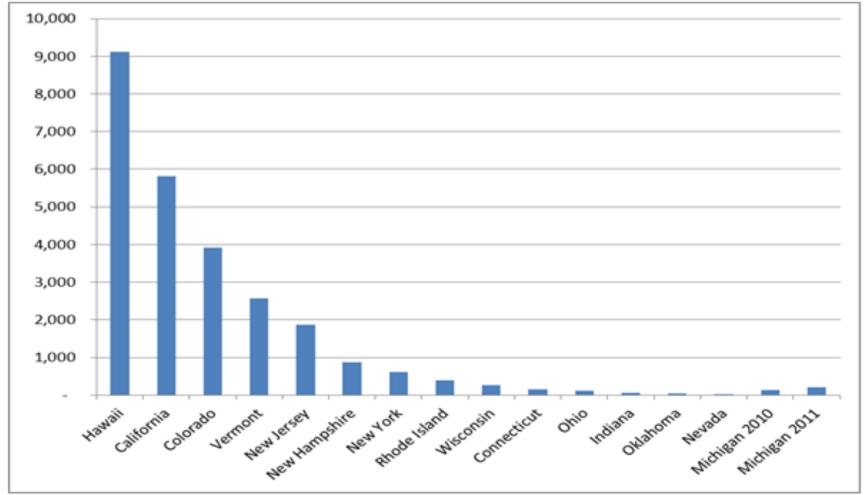


# Installed Capacity kW and Number of Customers



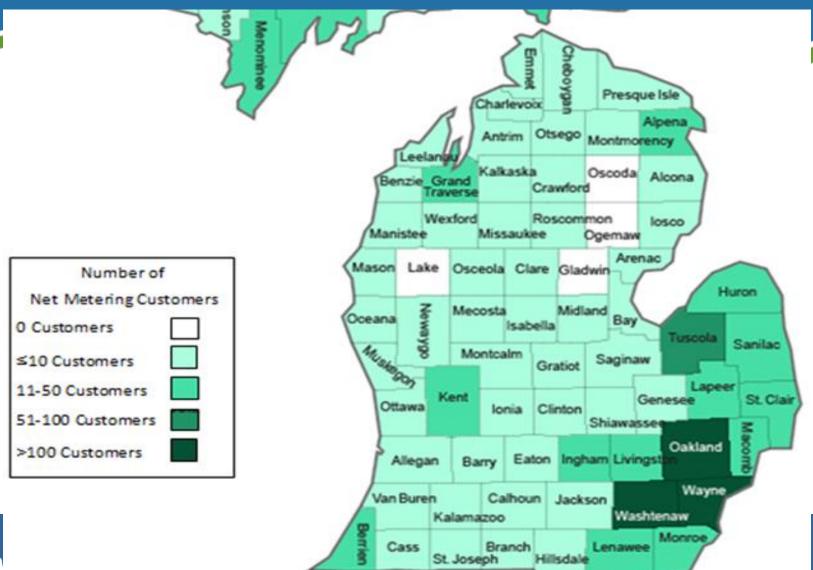


### Participation in Different States

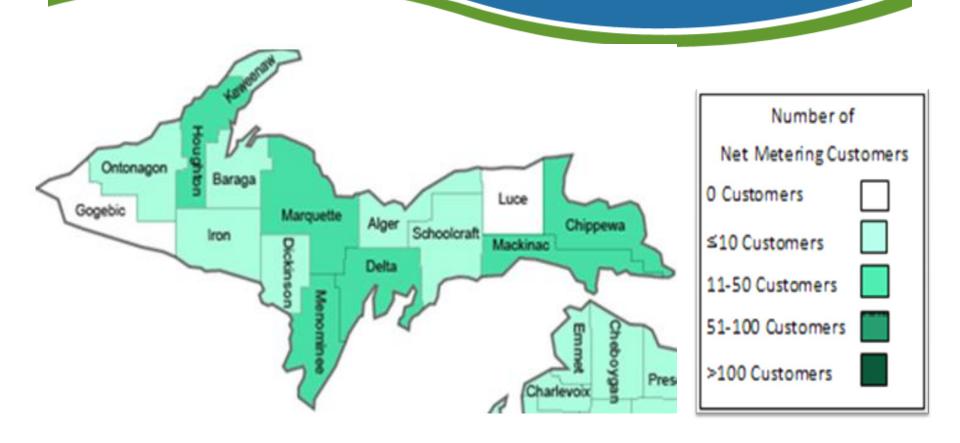




#### Locations by County



# Locations by County



### Standardized by Size

## True Net Metering

- ≤ 20 kw generation
- \$25 fee is required
- If an updated meter is required it will be provided by utility (usually)
- CR the full retail rate for all excess kwh
- No interconnection costs



## Modified Net Metering

>20 kw to 150 kw generation

CR the generation portion of rate

No standby charges



## Category Three

Methane Digester

>150 to 550 kw

Standby charges applied

#### Restrictions of Net Metering

- Limited participation
  - .5% Category One
  - .25% Category Two
  - .25% Category Three

Limited Generation

#### Interconnection

Linking the generating facility to the utility's electric delivery system (grid)

#### Interconnection

- Category One: 20 kw and under
- Category Two: >20 kw to 150 kw
- Category Three: >150 kw to 550 kw
- Category Four: >550 kw to 2 MW
- Category Five: >2 MW

#### Interconnection Fees

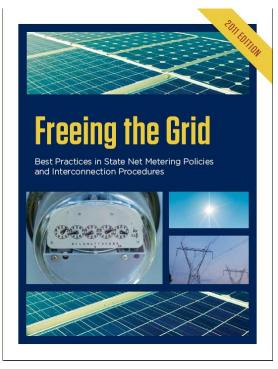
	Application review	Engineering review	Distribution study	Distribution	Testing & inspection
	Teview			upgrades	
Category 1	\$75	\$0	\$0	\$0	\$0
Category 2	\$100	\$0	Actual or maximum approved by commission	Actual or maximum approved by commission	Actual or maximum approved by commission
Category 3	\$150	\$0	Actual or maximum approved by commission	Actual or maximum approved by commission	Actual or maximum approved by commission
Category 4	\$250	Actual or maximum approved by commission			
Category 5	\$500	Actual or maximum approved by commission			



Update to Net Metering and Interconnection

#### Scorecard – UPDATE

Net Metering							
F			A	A			
2007			2010	2011			
Interconnection							
D	D	C	C	C			
2007	2008	2009	2010	2011			





Michigan.gov/NetMetering

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